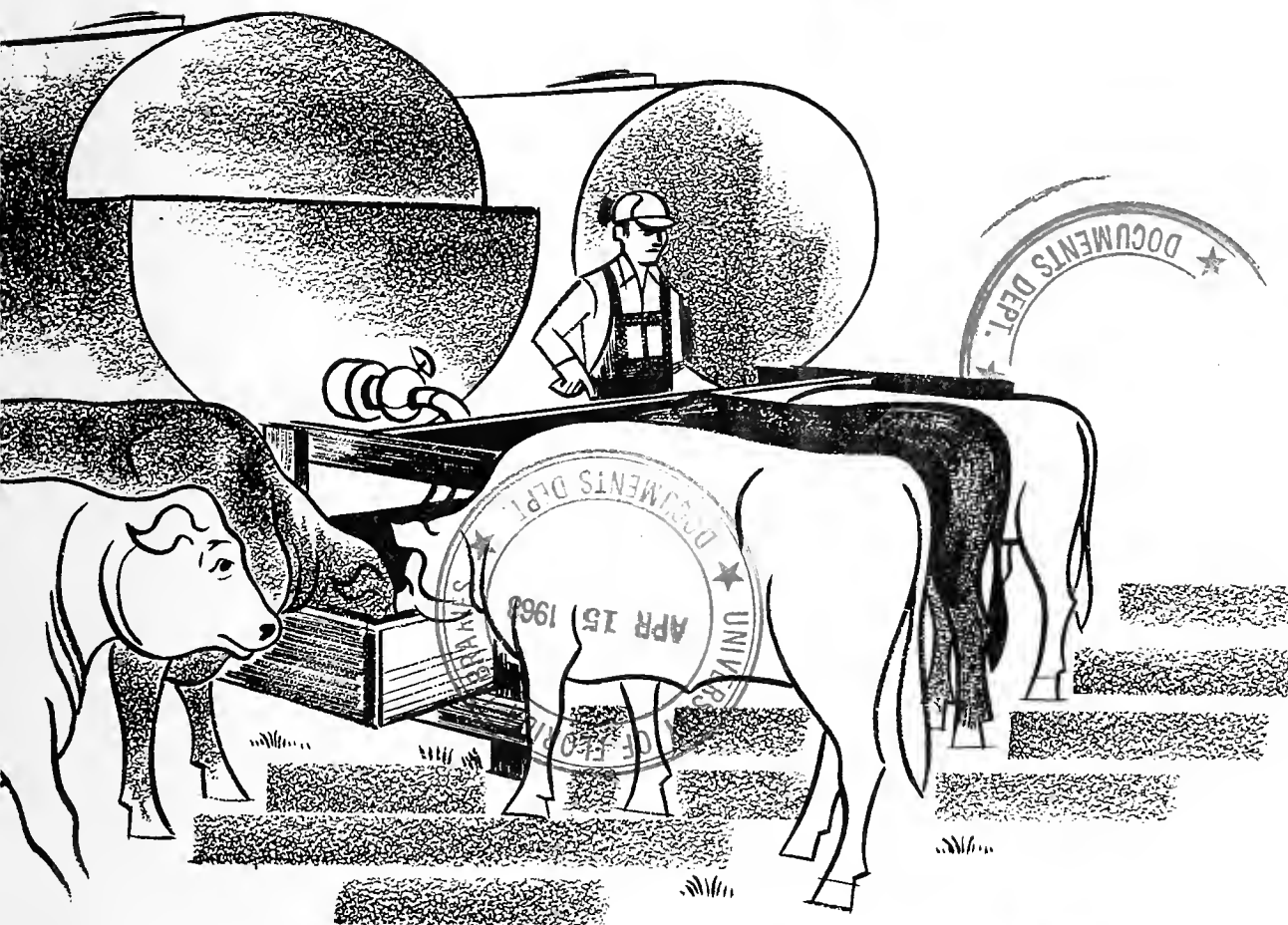


# *Molasses* **MARKET NEWS**



## **ANNUAL SUMMARY 1967**

CONSUMER AND MARKETING SERVICE  
U. S. DEPARTMENT OF AGRICULTURE WASHINGTON, D. C.

**C&MS-2 (1967)**



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## MOLASSES MARKET NEWS - ANNUAL SUMMARY

### HIGHLIGHTS OF 1967

The general level of molasses prices in the United States during 1967 averaged well above that of the previous year. The high cost of imported molasses and a continued good demand from the livestock feeding industry provided the major strengthening influences on domestic molasses prices. Although prices early in the year reached their highest points in about four years, closing prices generally ranged from 3/4¢ to 1.6¢ per gallon below the end of 1966.

The relationship between the cost of molasses and the cost of corn was less favorable for molasses in 1967 than in 1966.

Molasses available for feed and industrial use in the United States during 1967 was estimated at 700 million gallons. This was six percent more than the year before and second only to the record 721-million-gallon supply available in 1960. A rise in imports of molasses accounted for most of the increase in 1967 supplies. Domestic sources provided only a little more molasses than the previous year, while shipments from Hawaii and Puerto Rico ran slightly smaller. Mexico remained the United States' largest foreign supplier of molasses, furnishing a record 130 million gallons. A third of the total molasses imported into this country from all foreign suppliers came through the New Orleans Customs District. Exports of molasses from the United States during 1967 dropped 25 percent below the year before. Most molasses exports were made from Puerto Rico and went, as usual, to Canada, the United Kingdom, and the Netherlands.

The quantity of molasses used in the manufacture of distilled spirits in the United States during 1967 showed a sharp increase. In fact, its use for this purpose was the heaviest since 1960. Other industrial uses, however, were little changed from the year before. The amount of molasses available for livestock feed in 1967 was 519 million gallons -- the most since 1960.

### PRICES

#### Cane Molasses

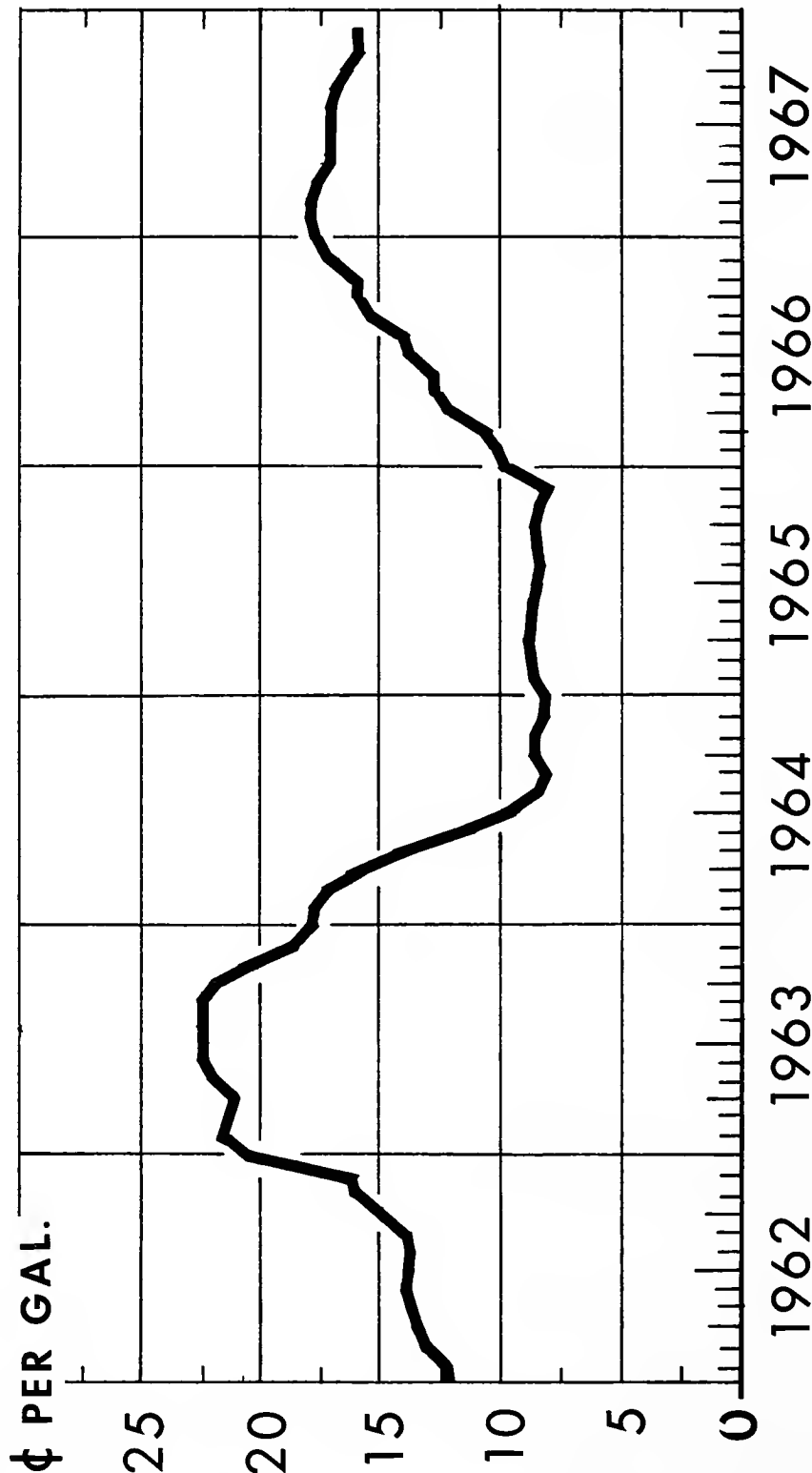
Prices of cane molasses -- continuing an upward trend that started in the autumn of 1965 -- advanced further during the first two months of 1967 when demand from feeders, ranchers, and feed manufacturers was seasonally heavy. Prices held relatively steady through April, and then began a gradual but steady decline throughout the remainder of the year.

Except for the seasonal summer lull, demand for molasses was generally good in 1967. Molasses lost some of its price advantage in relation to corn as corn prices came down faster than molasses prices.

Cane molasses prices at the close of the year ran 3/4¢ to 1.6¢ per gallon below a year earlier at most terminals. East Coast markets registered the least downturn of any area in the country. This was largely a reflection of continued strong competition in the East and the general trade practice of granting price discounts (usually 1/2¢ per gallon) to "volume users." Some of the sharpest losses appeared at Mississippi River terminals and in the Midwest.

# MOLASSES PRICES

F.O.B. Tank Car, New Orleans



Differentials, or the price relationships, between New Orleans and other major molasses terminals in 1967 were not much different from those of 1966. In fact, the closing price of molasses in South Florida was on a par with New Orleans. The spread between the price of molasses at New Orleans and Houston, Corpus Christi, Mobile, and the West Coast was only 1/2¢ per gallon at the close of the year. The spread ran 1¢ per gallon at all East Coast terminals from Savannah to New York, and stood at 1.5¢ in Boston and Albany. The difference between the New Orleans price and prices at most Midwestern markets ranged anywhere from 3-1/2¢ to about 6-1/4¢ per gallon.

#### Beet Molasses

Prices of beet molasses remained steady throughout the year. This reflected, to a large extent, the common practice in the sugar beet area of selling a large part of the beet molasses production on yearly contractual arrangements. Although prices were unchanged on a month-to-month basis and closed out 1967 at the same level as 1966, the year's average price was higher than the previous season. This was due to the fact that prices rose rapidly in 1966, and 1967 prices held at the high level reached at close of 1966. The 1967 average price went up \$3.84 per ton in Colorado, Wyoming, and Montana, and \$3.30 per ton in Oregon, Utah, and Idaho.

#### Citrus Molasses

The market for citrus molasses held up well in 1967 despite a record-breaking output of citrus molasses. Prices remained steady at \$16.00 to \$18.00 per ton throughout the year, with most sales made at the top of the range. Although the closing market was only \$1.00 per ton above the year before, the 1967 average price stood \$2.35 higher than a year earlier.

#### Corn (Hydrol) Molasses

Prices of corn molasses followed an uneven trend -- advancing the first two months of 1967, holding relatively stable the next eight months, and then declining the last two months of the year. Even so, the general level of corn molasses prices stood well above that of the previous season. The downturn late in the year left closing prices slightly under the previous year's close. However, the 1967 average price was about \$9.00 per ton above the 1966 average in Chicago and \$7.50 higher in Kansas City as the upturns early in 1967 were sufficient to more than offset the generally low prices prevailing in the first half of 1966.

The quantity of corn molasses used in livestock feed continued to decrease, while the amount used by various manufacturing outlets -- particularly the pharmaceutical industry -- showed a further increase. This reflected, to a great extent, the comparatively high cost of corn molasses in relation to cane molasses and the suitability of corn molasses to certain industrial uses.

Table 1.--Molasses, blackstrap: Prices by months, f.o.b. tank car or tank truck, 1963-67

Year	: Jan.	: Feb.	: Mar.	: Apr.	: May	: June	: July	: Aug.	: Sept.	: Oct.	: Nov.	: Dec.	: Av.
--Cents per gallon--													
<u>New Orleans</u>													
1963	.....: 20.70	21.81	21.43	21.29	22.12	22.50	22.50	22.50	22.50	22.22	20.25	18.53	21.53
1964	.....: 17.75	17.53	17.06	15.87	13.63	11.35	9.41	8.31	8.15	8.69	8.63	3.35	12.06
1965	.....: 8.38	8.88	8.93	9.00	8.94	8.33	8.62	8.50	8.63	8.81	8.88	9.06	8.79
1966	.....: 9.81	10.23	10.85	12.34	12.56	12.80	13.81	14.40	15.44	16.00	16.10	17.41	13.48
1967	.....: 17.95	18.00	18.00	17.69	17.10	17.00	17.00	17.00	16.75	16.50	16.00	16.00	17.08
<u>Houston</u>													
1963	.....: 20.60	22.56	22.00	22.00	23.50	23.50	23.50	23.50	23.50	23.05	21.00	19.38	22.34
1964	.....: 19.00	19.00	18.50	17.35	15.50	13.40	11.38	11.00	11.00	11.00	11.00	11.00	14.09
1965	.....: 11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
1966	.....: 11.00	11.00	11.60	13.00	13.25	13.50	14.50	14.50	16.00	16.50	16.70	17.75	14.11
1967	.....: 18.50	18.50	18.50	18.50	18.20	18.00	18.00	17.70	17.25	17.00	16.50	16.50	17.76
<u>Corpus Christi</u>													
1963	.....: 20.82	23.00	22.20	22.20	23.17	23.50	23.50	23.50	23.50	23.10	21.12	19.38	22.42
1964	.....: 19.00	19.00	18.40	17.35	15.50	13.40	11.38	11.00	11.00	11.00	11.00	11.00	14.09
1965	.....: 11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
1966	.....: 11.00	11.00	11.60	12.75	13.13	13.50	14.50	14.70	15.75	16.50	16.70	17.62	14.06
1967	.....: 18.40	18.50	18.50	18.50	18.20	18.00	18.00	17.70	17.25	17.00	16.50	16.50	17.75
<u>El Paso</u>													
1963	.....: 18.40	19.60	19.60	20.44	21.47	22.05	22.68	23.10	23.10	23.10	22.20	21.05	21.40
1964	.....: 20.50	20.20	19.48	18.70	17.25	16.16	14.30	13.50	13.50	13.50	13.50	13.50	16.17
1965	.....: 13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	12.60	12.90	13.38
1966	.....: 13.20	13.20	13.38	14.39	14.05	14.05	15.50	15.67	16.74	17.54	17.54	17.98	15.27
1967	.....: 18.71	18.71	18.71	18.71	18.46	18.13	18.13	17.78	17.10	16.96	16.62	16.52	17.88

Phoenix

1963	.....	21.94	23.10	23.10	23.90	25.00	25.55	26.24	26.60	26.60	25.70	24.60	24.91
1964	.....	24.00	23.70	22.78	22.20	20.80	19.54	17.80	17.00	17.00	17.00	17.00	19.65
1965	.....	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	16.28	16.10	16.87
1966	.....	16.10	16.10	16.64	18.00	18.00	18.00	19.00	19.18	20.47	21.40	21.35	17.27
1967	.....	22.22	22.22	22.22	22.22	21.51	21.64	21.64	21.29	20.47	20.24	20.00	21.35

Mobile

1963	.....	21.08	23.00	22.00	21.95	22.75	23.00	23.00	22.70	22.50	20.83	18.95	22.06
1964	.....	18.20	17.83	17.40	16.40	14.08	12.23	10.09	8.96	8.35	8.75	8.50	12.46
1965	.....	8.63	9.10	9.50	9.20	9.20	9.10	8.39	8.60	8.90	9.50	9.75	9.14
1966	.....	10.88	11.50	12.10	12.83	13.88	14.00	15.00	15.20	16.50	17.20	18.13	14.48
1967	.....	18.90	19.00	19.00	18.50	17.10	17.00	17.00	17.00	16.88	16.56	16.50	17.52

South Florida 1/

1963	.....	20.22	22.75	23.00	23.00	23.00	23.50	23.50	23.69	23.75	22.06	20.50	22.72
1964	.....	19.15	18.81	18.30	17.19	14.88	13.20	10.69	8.81	8.75	8.75	8.80	13.00
1965	.....	9.08	9.43	9.85	10.00	10.00	9.94	9.85	9.75	9.75	9.80	9.00	9.69
1966	.....	9.75	10.25	10.90	12.25	12.50	13.00	13.75	14.00	15.38	16.00	17.00	13.40
1967	.....	17.80	18.00	18.00	17.88	17.10	17.00	17.00	17.00	16.88	16.13	16.00	17.11

Savannah, Ga. - Wilmington, N. C.

1963	.....	21.25	23.25	24.00	24.00	24.25	24.50	24.50	24.50	24.50	23.50	22.19	23.74
1964	.....	21.19	20.69	19.81	18.54	16.41	14.07	11.88	10.63	10.25	10.25	10.16	14.51
1965	.....	10.16	10.35	10.35	10.35	10.35	10.31	10.25	9.61	9.63	10.13	10.13	10.13

Savannah

1966	.....	11.00	11.23	12.10	13.50	13.75	14.00	15.00	15.20	16.25	17.20	18.25	14.54
1967	.....	19.00	19.00	19.00	18.88	18.10	18.00	18.00	18.00	17.75	17.00	17.00	18.10

Wilmington

1966	.....	11.43	11.73	12.60	14.00	14.25	14.50	15.50	15.65	17.00	17.50	18.63	15.02
1967	.....	19.40	19.50	19.50	19.50	18.70	18.50	18.50	18.50	18.25	17.63	17.00	18.58

1/ Includes all of Florida prior to December 1965.

(Continued on next page)

Table 1 - (Continued). --Molasses, blackstrap: Prices by months, f.o.b. tank car or tank truck, 1963-67

Year	: Jan.	: Feb.	: Mar.	: Apr.	: May	: June	: July	: Aug.	: Sept.	: Oct.	: Nov.	: Dec.	: Av.
--Cents per gallon--													
<u>Baltimore, Md.-Norfolk, Va.</u>													
<u>Norfolk</u>													
1963	.....	20.80	22.25	22.00	22.75	22.75	22.80	23.00	23.00	23.00	21.25	20.13	22.14
1964	.....	19.50	19.50	19.00	17.75	15.90	14.00	13.50	13.50	13.50	13.50	13.50	16.05
1965	.....	13.50	13.50	12.98	12.49	12.44	12.05	12.10	12.05	11.50	10.80	11.00	12.21
<u>Baltimore</u>													
1966	.....	11.19	11.38	11.80	13.31	13.56	13.80	14.75	14.95	15.81	16.63	17.00	14.59
1967	.....	18.75	18.75	18.88	18.45	18.45	18.25	18.25	18.20	17.63	17.25	17.06	18.10
<u>Philadelphia</u>													
1963	.....	20.80	21.94	21.63	21.41	22.10	22.25	22.35	22.55	22.71	22.95	21.25	21.84
1964	.....	19.50	19.50	18.75	17.19	15.45	13.38	13.00	13.07	13.35	13.18	13.00	15.74
1965	.....	13.00	13.00	12.75	12.56	12.44	12.10	11.81	11.55	11.50	10.95	11.00	12.01
1966	.....	11.25	11.25	11.80	13.25	13.56	13.75	14.38	14.60	15.81	16.38	17.75	13.94
1967	.....	18.60	18.75	18.75	18.45	18.45	18.25	18.25	18.20	17.63	17.25	17.00	18.08
<u>New York</u>													
1963	.....	20.80	22.13	22.00	22.00	22.75	22.75	22.80	23.00	23.00	21.25	20.13	22.13
1964	.....	19.50	19.50	19.50	19.00	17.75	15.90	14.00	13.50	13.50	13.50	13.50	16.05
1965	.....	13.50	13.50	13.50	13.13	12.85	12.50	12.44	12.25	12.25	11.88	11.10	12.50
1966	.....	11.25	11.25	11.80	13.25	13.56	13.75	14.75	14.85	15.81	16.63	16.40	14.50
1967	.....	18.75	18.75	18.75	18.45	18.45	18.25	18.25	18.25	17.69	17.25	17.00	18.10





Table 1 - (Continued).--Molasses, blackstrap: Prices by months, f.o.b. tank car or tank truck 1963-67

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
--Cents per gallon--													
<u>Minneapolis</u>													
1963	26.72	29.20	30.40	28.90	28.65	28.90	28.90	28.90	28.90	28.90	28.30	26.75	28.62
1964	26.00	26.00	25.16	23.89	22.01	19.28	16.98	15.80	15.05	15.80	15.80	16.28	19.84
1965	16.55	17.00	17.00	17.00	16.93	16.37	15.80	15.68	15.73	15.80	15.80	16.10	16.31
1966	17.13	17.54	18.28	19.60	19.80	20.10	20.98	21.45	22.41	22.10	23.25	23.76	20.53
1967	24.97	25.00	24.85	24.71	24.04	23.98	23.93	23.98	23.75	23.39	22.37	22.22	23.94
<u>Chicago</u>													
1963	25.68	27.13	26.75	26.03	26.25	26.49	26.72	26.75	26.75	26.69	25.89	24.25	26.28
1964	23.03	22.44	22.01	20.94	18.90	16.72	14.58	13.28	12.85	13.60	13.50	13.20	17.09
1965	13.28	13.55	13.61	13.70	13.70	13.62	13.45	13.08	13.33	14.00	14.00	14.08	13.62
1966	14.71	15.41	15.81	17.20	17.36	17.84	18.75	19.01	20.19	20.98	21.25	22.40	18.41
1967	23.18	23.25	23.10	22.90	22.39	22.22	22.22	22.23	22.02	21.74	21.25	21.19	22.31
<u>St. Louis</u>													
1963	24.56	26.00	25.50	25.50	26.00	26.35	26.65	26.70	26.67	26.55	25.25	23.47	25.77
1964	21.93	21.55	21.30	19.96	18.21	15.40	13.50	12.86	12.33	12.91	12.90	12.75	16.30
1965	12.59	13.10	13.14	13.09	13.10	12.90	12.50	12.40	12.50	12.60	12.60	13.05	12.80
1966	14.05	14.50	14.67	16.10	16.34	16.59	17.70	18.09	19.24	20.05	20.32	21.11	17.40
1967	22.37	22.37	22.08	22.08	21.64	22.49	22.49	21.55	21.35	21.05	20.60	20.48	21.71
<u>Kansas City</u>													
1963	26.13	27.44	27.30	27.30	28.24	28.30	28.30	28.30	28.30	28.04	26.05	24.42	27.34
1964	23.45	23.35	22.84	21.60	19.48	16.77	14.64	13.44	13.30	13.99	13.93	13.45	17.52
1965	13.63	14.15	14.15	14.19	14.20	14.06	13.77	13.70	13.95	14.20	14.20	14.55	14.06
1966	15.45	16.03	17.03	18.25	18.43	18.51	19.53	19.73	21.05	21.55	21.75	22.84	19.18
1967	23.65	23.65	23.65	23.38	22.49	22.27	22.27	22.27	22.06	21.85	21.26	21.26	22.51

Omaha

1963	.....	25.44	27.00	28.05	28.10	28.40	28.70	28.70	28.70	28.65	27.98	26.97	27.95
1964	.....	26.90	26.15	24.74	23.25	21.70	17.99	15.25	14.69	14.38	14.71	14.30	19.07
1965	.....	14.51	15.15	15.15	15.30	15.30	15.10	14.80	14.60	15.40	15.40	15.68	15.11
1966	.....	16.70	17.45	18.91	19.80	19.80	19.81	20.76	21.07	22.30	23.05	24.01	20.55
1967	.....	24.86	24.86	24.86	24.67	23.48	23.25	23.25	23.07	22.59	22.00	22.00	23.44

Memphis

1963	.....	23.84	25.65	25.33	25.20	25.88	26.00	26.00	26.00	25.97	24.70	22.90	25.29
1964	.....	21.85	21.50	21.00	19.90	18.05	15.94	14.00	12.53	11.85	12.66	12.55	16.21
1965	.....	12.54	12.80	12.96	13.01	12.95	12.81	12.50	12.20	12.44	12.60	12.90	12.69
1966	.....	13.70	14.15	14.30	16.36	16.49	16.63	17.65	17.86	18.99	20.07	21.18	17.29
1967	.....	21.62	21.60	21.39	21.30	21.08	20.90	20.90	20.84	20.61	20.47	20.32	20.95

Denver

1963	.....	24.76	26.00	25.55	26.56	27.60	28.00	28.90	29.50	29.50	28.15	26.90	27.58
1964	.....	26.30	26.00	25.28	24.50	23.00	21.38	19.09	18.41	18.31	18.54	18.32	21.48
1965	.....	18.30	18.60	18.50	17.98	17.60	17.48	17.55	17.55	17.55	17.55	17.70	17.83
1966	.....	18.10	17.98	18.60	18.70	20.80	21.94	22.92	23.12	24.44	24.95	25.64	21.85
1967	.....	26.33	26.46	26.46	26.44	25.39	24.93	24.93	24.64	23.26	23.76	23.18	24.94

California Ports

1963	.....	18.40	19.60	19.60	20.44	21.48	22.05	22.68	23.10	23.10	22.20	21.05	21.40
1964	.....	20.55	20.25	19.56	18.80	17.33	16.22	14.48	13.55	13.55	13.55	13.55	16.25
1965	.....	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	12.65	12.65	13.40
1966	.....	12.65	12.65	13.19	14.55	14.55	14.55	15.57	15.75	17.03	17.61	17.83	15.30
1967	.....	18.73	18.79	18.79	18.79	18.45	18.20	18.20	17.85	17.03	16.59	16.45	17.91

Pacific Northwest Ports

1963	.....	18.40	19.60	19.60	20.44	21.48	22.05	22.68	23.10	23.10	22.20	21.05	21.40
1964	.....	20.50	20.20	19.48	18.70	17.28	16.10	14.40	13.55	13.55	13.55	13.55	16.20
1965	.....	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	13.55	12.65	12.65	13.40
1966	.....	12.65	12.65	13.19	14.55	14.55	14.55	15.57	15.75	17.03	17.61	17.83	15.30
1967	.....	18.67	18.79	18.79	18.79	18.45	18.20	18.20	17.85	17.03	16.59	16.45	17.90

Table 2.--Molasses, beet: Prices by months, f.o.b. tank car or tank truck, 1963-67

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
--Dollars per ton--													
<u>Colorado, Wyoming and Montana</u>													
1963.....	31.00	31.00	31.00	31.00	31.00	31.00	31.00	33.00	35.00	38.20	39.00	39.00	33.43
1964.....	39.00	39.00	35.00	35.00	35.00	35.00	35.00	27.50	27.00	27.00	27.00	27.00	32.38
1965.....	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
1966.....	30.00	30.00	30.00	30.00	30.00	31.80	33.00	33.00	34.63	36.50	36.50	36.50	32.66
1967.....	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50	36.50
<u>Oregon, Utah and Idaho</u>													
1963.....	33.00	33.00	33.00	33.00	33.00	33.00	33.00	34.50	36.00	38.00	38.00	38.00	34.62
1964.....	38.00	38.00	36.00	36.00	35.50	34.00	34.00	30.00	30.00	30.00	30.00	30.00	33.46
1965.....	30.00	30.00	30.40	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.50	30.41
1966.....	29.00	29.00	29.00	29.00	29.00	31.40	33.00	33.00	35.00	35.00	35.00	35.00	31.70
1967.....	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00

Table 3.-- Molasses, citrus and corn (hydrol): Prices by months, f.o.b. tank car or tank truck, 1963-67

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
--Dollars per ton--													
<u>Citrus molasses</u>													
<u>Florida Points</u>													
1963 1/	21.25	23.25	23.25	25.20	27.81	28.13	28.25	28.50	28.50	28.50	30.00	29.37	26.83
1964 1/	26.13	26.63	27.05	26.75	26.75	26.75	27.33	28.50	-	-	-	20.00	26.32
1965 2/	19.37	18.69	17.50	15.13	14.00	14.00	15.75	16.00	16.00	16.00	16.00	15.25	16.14
1966 .....	15.00	14.50	13.50	13.88	14.00	16.00	16.00	16.40	17.00	17.00	17.50	17.00	15.65
1967 3/	17.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
<u>Corn (hydrol) molasses</u>													
<u>Chicago</u>													
1963 .....	32.40	36.38	36.38	35.10	34.25	34.75	35.20	37.50	37.87	38.60	37.63	35.69	35.98
1964 .....	33.88	33.63	32.90	31.38	28.94	25.33	21.56	19.84	19.60	19.50	19.50	19.50	25.46
1965 .....	19.50	20.31	20.60	20.63	20.25	20.50	20.31	20.00	20.00	20.00	20.00	20.25	20.20
1966 .....	20.81	21.50	23.40	24.00	24.00	24.00	25.00	25.80	28.25	30.00	32.00	34.25	26.08
1967 .....	35.80	36.00	36.00	36.00	35.00	35.00	35.00	35.00	35.00	35.00	34.00	34.00	35.15
<u>Kansas City</u>													
1963 .....	35.30	39.63	39.88	38.70	38.00	38.25	39.50	40.50	40.50	40.50	39.75	38.37	39.07
1964 .....	37.25	36.50	35.50	33.75	31.50	27.50	23.50	21.25	21.30	21.75	21.75	21.00	27.71
1965 .....	21.00	21.00	21.00	21.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.25	21.69
1966 .....	23.00	23.00	24.20	25.50	26.00	26.00	28.00	28.00	29.75	32.50	32.50	35.25	27.87
1967 .....	36.60	37.00	37.00	36.25	35.00	35.00	35.00	35.00	35.00	35.00	34.25	34.00	35.43

1/ Nominal August through October. 2/ Nominal August through November. 3/ Mostly price February through December.

Table 4.--Price comparisons between molasses and No. 2 yellow corn at New York, Chicago and Kansas City, 1958-67 <sup>1/</sup>

Year	New York			Chicago			Kansas City		
	: Corn	: Molasses	: Differ-	: Corn	: Molasses	: Differ-	: Corn	: Molasses	: Differ-
	: bu.	: 6 $\frac{1}{2}$ gal.	: ence	: bu.	: 6 $\frac{1}{2}$ gal.	: ence	: bu.	: 6 $\frac{1}{2}$ gal.	: ence
--Cents--									
1958.....	156.3	115.0	+41.3	125.5	123.1	+2.4	120.0	127.4	-7.4
1959.....	150.6	103.0	+47.6	122.5	107.1	+15.4	117.3	111.0	+6.3
1960.....	143.8	89.0	+54.8	115.6	92.9	+22.7	113.6	103.1	+10.5
1961.....	141.8	102.2	+39.6	113.1	112.7	+0.4	112.4	125.3	-12.9
1962.....	142.0	102.6	+39.4	112.8	117.8	-5.0	115.0	129.5	-14.5
1963.....	155.0	143.8	+11.2	126.0	170.8	-44.8	125.4	177.7	-52.3
1964.....	151.3	104.3	+47.0	125.1	111.1	+14.0	127.5	113.9	+13.6
1965.....	151.5	81.2	+70.3	130.2	88.5	+41.7	130.4	91.4	+39.0
1966.....	158.4	94.2	+64.2	136.8	119.7	+17.1	136.3	124.7	+11.6
1967.....	149.6	117.6	+32.0	129.5	145.0	-15.5	129.6	146.3	-16.7

<sup>1/</sup> A "rule of thumb" measure-- 6-1/2 gallons of molasses are about equivalent in carbohydrate value to one bushel of corn -- is widely used to compare the carbohydrate value of molasses and corn. This measure is based on experiments conducted to evaluate the energy produced from one bushel of corn and the amount of molasses required to produce the same amount of energy.

Table 5.--Molasses: Hawaiian and Puerto Rican production, shipments to the U. S. mainland, and exports to other countries, 1958-67

Year	Hawaii			Puerto Rico		
	: Shipments	: Exports		: Shipments	: Exports	
	: Production: to U. S.	: to other		: Production: to U. S.	: to other	
	: mainland	: countries		: mainland	: countries	
--1,000 gallons--						
1958.....	52,768	43,974	4,642	56,800	26,611	10,157
1959.....	56,849	60,239	7,771	60,755	24,238	19,239
1960.....	50,817	49,692	-	58,474	30,289	15,162
1961.....	56,423	50,653	-	62,372	38,618	8,224
1962.....	57,372	54,911	-	56,200	27,471	13,014
1963.....	55,373	51,563	-	61,548	16,590	15,923
1964.....	57,688	52,638	-	64,563	18,190	20,144
1965.....	58,389	51,861	-	57,140	21,104	6,848
1966.....	59,772	60,271	-	60,700	7,259	18,653
1967.....	61,672	55,662	-	<sup>1/</sup> 52,100	<sup>1/</sup> 4,775	14,120

<sup>1/</sup> Estimated.

Source: Bureau of the Census, U. S. Department of Commerce; Association of Sugar Producers of Puerto Rico; and Hawaiian Sugar Planters Association.

Table 6.--Feed and industrial molasses: U. S. production, inshipments, imports, and exports, 1951-67

Year	Production											
	Cane					Beet 2/	Citrus	Hydrol	Total domestic	U. S. imports:	Mainland: Total exports:available 3/ supplies	
	Mainland: mills	Refiners': black- strap	Inshipments 1/	Hawaii	Puerto Rico							Total cane
--1,000 gallons--												
1951..	44,350	32,775	41,572	49,951	168,648	45,578	11,926	18,411	244,596	228,389	2,649	470,303
1952..	51,901	36,221	37,942	52,252	178,316	38,583	9,333	18,063	244,295	296,121	897	539,519
1953..	48,682	36,123	47,558	32,651	165,014	47,628	7,382	18,792	238,816	410,765	1,563	648,018
1954..	46,050	31,836	46,530	37,558	161,974	52,351	8,804	17,873	241,002	340,408	4,843	576,567
1955..	49,187	32,954	50,413	44,232	176,786	52,061	8,422	15,502	252,771	377,812	4,863	625,720
1956..	38,067	40,303	49,401	34,726	162,497	51,955	7,878	16,851	239,181	352,089	879	590,391
1957..	42,532	39,370	54,140	20,439	156,481	63,171	10,474	16,249	246,375	231,536	2,545	475,366
1958..	40,300	40,012	43,974	26,611	150,897	67,324	6,328	20,336	244,885	334,308	2,116	577,027
1959..	42,826	40,333	60,239	24,238	167,636	76,920	7,669	21,494	273,719	282,137	2,372	553,484
1960..	46,686	40,686	49,692	30,289	167,353	79,079	5,155	23,324	274,911	449,646	3,032	721,525
1961..	60,075	45,812	50,653	38,618	195,158	98,211	5,949	23,153	322,471	260,495	2,220	580,746
1962..	65,274	47,132	54,911	27,471	194,788	96,643	9,581	23,595	324,607	264,063	2,265	586,405
1963..	89,876	47,605	51,563	16,590	205,634	124,602	5,396	27,939	363,571	270,423	5,475	628,519
1964..	103,287	45,402	52,653	18,190	219,532	141,320	4,469	29,992	386,086	266,421	4,339	648,168
1965..	84,722	45,111	51,861	21,104	202,798	116,539	8,564	26,740	354,691	268,016	2,536	620,171
1966..	82,952	45,946	60,271	7,259	202,428	511,000	9,788	23,125	348,341	314,157	1,586	566,912
1967..	52,500	52,076	55,662	4,775	205,013	5108,000	17,291	520,500	350,804	350,548	996	5700,356

--1,000 gallons--

1/ Shipments to U. S. mainland only. Does not represent total Hawaiian and Puerto Rican molasses production.  
 2/ Year harvested basis.

3/ Does not include exports from Hawaii and Puerto Rico.

4/ Revised.

5/ Estimated.

Source: Statistical Reporting Service and Agricultural Stabilization and Conservation Service, U. S. Department of Agriculture; Bureau of the Census, U. S. Department of Commerce; Florida Citrus Processors Association; Association of Sugar Producers of Puerto Rico; Hawaiian Sugar Planters Association; and members of the Corn Refiners Association, Inc.

Table 7.--Molasses, inedible: U. S. imports by country of origin, 1963-67

Country of origin	: 1967	: 1966	: 1965	: 1964	: 1963
--1,000 gallons--					
Angola.....	-	942	-	-	-
Australia.....	20,137	22,117	7,629	9,932	1,767
Austria.....	-	-	-	700	-
Bahamas.....	-	94	-	-	-
Barbados.....	6,757	2,390	5,577	4,926	4,398
Belgium & Luxembourg.....	-	-	-	754	-
Brazil.....	19,935	-	-	-	1,833
British Honduras.....	2,266	1,267	3,113	819	390
Bulgaria.....	1,509	-	-	-	-
Canada.....	1,217	1,274	1,986	1,642	2,256
Colombia.....	15,392	6,271	2,439	-	-
Costa Rica.....	1,000	-	-	-	-
Denmark.....	-	-	-	2,164	-
Dominican Republic.....	40,171	47,533	41,329	32,591	42,926
Ecuador.....	5,022	10,888	9,863	2,270	6,813
El Salvador.....	4,048	1,210	1,648	953	1,286
France.....	5,767	6,076	9,617	10,524	9,390
French West Indies.....	5,412	3,526	3,399	3,813	6,511
Greece.....	4,300	-	-	-	-
Greenland.....	-	-	49	-	-
Guatemala.....	6,528	5,292	3,439	1,268	-
Guyana (British Guiana).....	2,516	1,837	4,466	3,333	3,570
Haiti.....	5,688	4,056	4,264	5,375	3,530
Honduras.....	1,038	2,327	1,650	1,624	-
India.....	-	3,278	-	-	1,426
Indonesia.....	-	3,278	7,772	-	-
Iran.....	-	-	-	1,833	-
Italy.....	2,023	-	-	-	-
Jamaica.....	19,138	16,508	17,536	24,132	17,317
Japan.....	-	-	-	502	-
Kanya.....	-	-	801	2,594	-
Leeward & Windward Islands.....	-	406	-	-	-
Mauritius.....	6,583	6,219	3,301	11,919	7,567
Mexico.....	130,705	99,312	95,564	86,404	93,175
Morocco.....	-	2,119	-	-	-
Mozambique.....	-	-	3,629	2,203	2,008
Netherlands.....	-	578	-	-	593
Netherlands Antilles.....	-	1,424	-	-	-
Nicaragua.....	1,817	3,438	3,737	1,920	4,517
Pakistan.....	-	-	-	1,886	-
Panama.....	2,662	830	-	2,353	-
Peru.....	19,154	24,665	4,897	12,934	21,243
Philippines.....	963	4,246	9,427	19,343	11,858
Poland.....	-	6,817	1,116	-	-
Republic of South Africa.....	-	3,152	518	4,109	15,886
Switzerland.....	-	1,377	-	-	-
Taiwan (Formosa).....	4,722	3,811	8,985	2,893	-
Trinidad & Tobago.....	7,705	5,992	6,756	8,708	9,188
UAR (Egypt).....	-	-	1,804	-	-
United Kingdom.....	3,979	5,960	1,705	-	103
Venezuela.....	2,394	3,647	-	-	872
Total.....	350,548	314,157	268,016	266,421	270,423

Source: Bureau of the Census



Table 8.--Molasses, inedible: U. S. imports by customs districts, 1963-67

Customs districts	: 1967	: 1966	: 1965	: 1964	: 1963
--1,000 gallons--					
Arizona.....	4,800	5,037	2,599	3,473	3,381
Buffalo.....	2,446	3,047	5,218	2,712	3,493
Chicago.....	-	-	-	9	-
Connecticut.....	3,307	428	1,500	2,654	6,402
Dakota.....	-	23	111	285	817
Duluth & Superior.....	-	-	-	-	208
El Paso.....	13,745	8,539	6,768	7,390	7,173
Florida.....	1,517	2,378	1,484	723	3,423
Galveston.....	5,199	3,395	37,354	39,977	35,863
Georgia.....	4,247	5,677	2,293	3,073	3,365
Houston.....	44,985	40,717	-	-	-
Laredo.....	1,152	685	871	-	79
Los Angeles.....	18,441	22,139	26,055	24,724	18,936
Maine & New Hampshire....	161	134	213	345	406
Maryland.....	20,037	15,106	9,353	12,513	19,361
Massachusetts.....	4,605	2,137	-	4,154	2,617
Michigan.....	30	154	307	19	19
Mobile.....	13,683	9,404	12,115	5,053	9,193
New Orleans.....	113,359	102,906	79,186	57,099	70,885
New York.....	49,006	54,329	42,483	52,231	43,045
North Carolina.....	4,639	3,904	3,567	4,313	3,460
Ohio.....	1,980	1,876	2,559	-	5,493
Philadelphia.....	11,442	12,584	11,552	11,811	10,316
Pittsburgh.....	-	-	-	1,285	-
Puerto Rico.....	1,086	-	-	-	-
Sabine.....	3,154	2,479	1,410	2,071	1,582
San Diego.....	9,259	4,130	2,859	5,996	6,624
San Francisco.....	12,926	8,313	12,820	20,495	8,919
Vermont.....	489	802	719	838	466
Virginia.....	4,618	3,715	4,620	3,178	4,897
Washington.....	235	119	-	-	-
Total.....	350,548	314,157	268,016	266,421	270,423

Source: Bureau of the Census

Table 9.--Molasses, inedible: U. S. imports by country of origin  
and customs districts, 1967

Country	Arizona	Buffalo	Conn.	El Paso	Florida	Galveston
--1,000 gallons--						
Australia.....:	-	-	-	-	-	-
Barbados.....:	-	-	-	-	-	-
Brazil.....:	-	-	-	-	-	-
British Honduras.....:	-	-	-	-	-	-
Bulgaria.....:	-	-	-	-	-	-
Canada.....:	-	398	-	-	-	-
Colombia.....:	-	-	-	-	-	-
Costa Rica.....:	-	-	-	-	-	-
Dominican Republic.....:	-	-	2,500	-	749	2,491
Ecuador.....:	-	-	-	-	-	-
El Salvador.....:	-	-	-	-	-	-
France.....:	-	-	-	-	-	-
French West Indies.....:	-	-	-	-	-	-
Greece.....:	-	-	-	-	-	-
Guatemala.....:	-	-	-	-	-	-
Guyana (British Guiana).....:	-	349	-	-	-	-
Haiti.....:	-	-	-	-	768	-
Honduras.....:	-	-	-	-	-	236
Italy.....:	-	-	-	-	-	-
Jamaica.....:	-	-	-	-	-	-
Mauritius.....:	-	-	-	-	-	-
Mexico.....:	4,800	-	807	13,745	-	164
Nicaragua.....:	-	-	-	-	-	-
Panama.....:	-	-	-	-	-	-
Peru.....:	-	-	-	-	-	2,308
Philippines.....:	-	-	-	-	-	-
Taiwan (Formosa).....:	-	-	-	-	-	-
Trinidad & Tobago.....:	-	1,699	-	-	-	-
United Kingdom.....:	-	-	-	-	-	-
Venezuela.....:	-	-	-	-	-	-
Total.....:	4,800	2,446	3,307	13,745	1,517	5,199

Source: Bureau of the Census

Table 9.--Molasses, inedible: U. S. imports by country of origin  
and customs districts, 1967

Georgia	Houston	Laredo	Los Angeles	Maine & N. H.	Maryland	Mass.	Michigan
--1,000 gallons--							
-	6,468	-	-	-	2,648	-	-
-	-	-	-	96	-	-	-
1,927	-	-	-	-	-	-	-
-	605	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	65	-	-	30
-	5,870	-	-	-	1,298	1,800	-
-	1,000	-	-	-	-	-	-
-	1,010	-	-	-	5,463	2,027	-
-	2,442	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	4,300	-	-
-	2,195	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
1,680	4,486	-	-	-	1,798	-	-
-	-	-	-	-	-	-	-
-	19,045	1,152	18,441	-	4,530	778	-
-	1,698	-	-	-	-	-	-
-	166	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
640	-	-	-	-	-	-	-
4,247	44,985	1,152	18,441	161	20,037	4,605	30

(Continued on next page)

Table 9.--Molasses, inedible: U. S. imports by country of origin  
and customs districts, 1967 (Continued)

Country	: Mobile	: New : Orleans	: New : York	: North : Carolina	: Ohio	: Phila- : delphia
--1,000 gallons--						
Australia.....:	-	3,225	2,765	1,536	-	2,206
Barbados.....:	-	6,661	-	-	-	-
Brazil.....:	-	15,678	2,330	-	-	-
British Honduras.....:	-	1,394	267	-	-	-
Bulgaria.....:	-	-	1,509	-	-	-
Canada.....:	-	-	-	-	-	-
Colombia.....:	-	4,714	-	-	-	-
Costa Rica.....:	-	-	-	-	-	-
Dominican Republic.....:	2,271	9,842	10,827	-	-	1,905
Ecuador.....:	-	2,399	-	-	-	-
El Salvador.....:	-	-	-	-	-	-
France.....:	-	-	5,767	-	-	-
French West Indies.....:	-	5,412	-	-	-	-
Greece.....:	-	-	-	-	-	-
Guatemala.....:	-	4,333	-	-	-	-
Guyana (British Guiana)...	-	985	1,182	-	-	-
Haiti.....:	-	794	4,126	-	-	-
Honduras.....:	-	802	-	-	-	-
Italy.....:	-	-	2,023	-	-	-
Jamaica.....:	-	5,929	4,039	-	-	-
Mauritius.....:	-	3,330	-	-	-	-
Mexico.....:	8,651	25,260	7,847	3,103	1,980	7,331
Nicaragua.....:	-	-	-	-	-	-
Panama.....:	-	1,197	-	-	-	-
Peru.....:	-	15,989	-	-	-	-
Philippines.....:	-	-	-	-	-	-
Taiwan (Formosa).....:	2,761	-	-	-	-	-
Trinidad & Tobago.....:	-	3,661	2,345	-	-	-
United Kingdom.....:	-	-	3,979	-	-	-
Venezuela.....:	-	1,754	-	-	-	-
Total.....:	13,683	113,359	49,006	4,639	1,980	11,442

Source: Bureau of the Census

Table 9.--Molasses, inedible: U. S. imports by country of origin  
and customs districts, 1967 (Continued)

Puerto Rico	Sabine	San Diego	San Francisco	Vermont	Virginia	Wash.	Total
--1,000 gallons--							
-	-	-	-	-	1,289	-	20,137
-	-	-	-	-	-	-	6,757
-	-	-	-	-	-	-	19,935
-	-	-	-	-	-	-	2,266
-	-	-	-	-	-	-	1,509
-	-	-	-	489	-	235	1,217
-	698	-	-	-	1,012	-	15,392
-	-	-	-	-	-	-	1,000
1,086	-	-	-	-	-	-	40,171
-	181	-	-	-	-	-	5,022
-	-	1,073	2,975	-	-	-	4,048
-	-	-	-	-	-	-	5,767
-	-	-	-	-	-	-	5,412
-	-	-	-	-	-	-	4,300
-	-	-	-	-	-	-	6,528
-	-	-	-	-	-	-	2,516
-	-	-	-	-	-	-	5,688
-	-	-	-	-	-	-	1,038
-	-	-	-	-	-	-	2,023
-	-	-	1,206	-	-	-	19,138
-	-	2,135	1,118	-	-	-	6,583
-	-	6,051	4,703	-	2,317	-	130,705
-	119	-	-	-	-	-	1,817
-	1,299	-	-	-	-	-	2,662
-	857	-	-	-	-	-	19,154
-	-	-	963	-	-	-	963
-	-	-	1,961	-	-	-	4,722
-	-	-	-	-	-	-	7,705
-	-	-	-	-	-	-	3,979
-	-	-	-	-	-	-	2,394
1,086	3,154	9,259	12,926	489	4,618	235	350,548

Table 10.--Molasses, inedible: U. S. exports by country of destination,  
1963-67 <sup>1/</sup>

Country of Destination	1967	1966	1965	1964	1963
	--1,000 gallons--				
Belgium & Luxembourg.....	-	-	-	-	2,411
Bermuda.....	3	-	-	-	-
British Honduras.....	-	-	4	-	-
Canada.....	4,465	3,883	1,916	9,189	3,726
Chile.....	945	-	-	-	-
Denmark.....	-	-	8	-	-
France.....	-	2,182	-	-	-
Ghana.....	-	1	-	-	-
Iceland.....	-	-	16	122	149
India.....	2	133	165	203	118
Ireland.....	-	-	4	-	760
Israel.....	-	-	-	183	-
Italy.....	-	230	-	-	-
Jamaica.....	-	3	2	-	-
Japan.....	19	-	401	623	813
Libya.....	-	2	-	-	-
Mexico.....	369	25	6	42	4
Netherlands.....	6,460	11,462	2,303	7,316	2,384
Netherlands Antilles.....	-	-	6	-	-
Philippines.....	2	-	-	-	-
Rep. of South Africa.....	-	4	1	3	34
Saudi Arabia.....	-	-	-	5	-
Singapore.....	1	-	-	-	-
Spanish Africa.....	-	2	-	-	-
Sweden.....	3	-	-	-	-
Switzerland.....	426	-	-	-	-
United Kingdom.....	2,421	2,312	4,552	6,777	8,886
West Germany.....	-	-	-	10	2,102
Other.....	-	-	-	9	11
Total.....	15,116	20,239	9,384	24,482	21,398

<sup>1/</sup> Includes exports from Puerto Rico

Source: Bureau of the Census

Table 11.--Molasses, inedible: U. S. exports by customs districts, 1963-67

Customs districts	1967	1966	1965	1964	1963
	--1,000 gallons--				
Buffalo.....	-	-	-	85	-
Dakota.....	-	-	65	-	-
Florida.....	-	-	694	1,472	-
Laredo.....	1	-	-	-	1
Massachusetts.....	-	-	16	74	145
Miami.....	-	484	-	-	-
Michigan.....	135	57	92	95	99
Montana and Idaho.....	-	-	7	-	-
New Orleans.....	-	1	-	183	-
New York.....	12	146	185	221	169
Oregon.....	-	-	46	-	-
Philadelphia.....	-	-	-	49	-
Portland, Maine.....	39	-	-	-	-
Puerto Rico.....	14,120	18,653	6,848	20,144	15,923
St. Lawrence.....	-	34	-	19	-
San Diego.....	386	25	405	348	3,140
San Francisco.....	-	-	15	326	188
Washington.....	423	839	1,011	1,466	1,729
Other.....	-	-	-	-	4
Total.....	15,116	20,239	9,384	24,482	21,398

Source: Bureau of the Census

Table 12.--Molasses: Estimated utilization, United States, 1956-67

Year	Industrial				Mixed feeds,	
	Distilled:	Yeast,	Pharmaceuti-		direct feed-	Total
	spirits	citric acid:	cals and edi-	Total	ing and	utili-
	1/	and vinegar:	ble molasses :		silage 2/	zation
--Million gallons--						
1956.....	111.9	70.0	14.0	195.9	394.5	590.4
1957.....	59.2	70.0	14.0	143.2	332.2	475.4
1958.....	61.7	70.0	15.0	146.7	430.3	577.0
1959.....	35.3	71.0	15.0	121.3	432.2	553.5
1960.....	69.0	74.0	3/ 37.0	180.0	541.5	721.5
1961.....	8.5	70.4	47.1	126.0	454.7	580.7
1962.....	5.7	79.8	38.7	124.2	462.2	586.4
1963.....	5.0	85.0	40.0	130.0	498.5	628.5
1964.....	6.2	90.0	47.0	143.2	516.6	659.8
1965.....	15.1	100.0	50.0	165.1	453.5	618.6
1966.....	9.3	100.0	50.0	159.3	501.6	660.9
1967 4/ .....	29.5	100.0	51.5	181.0	519.4	700.4

1/ Includes molasses used in making ethyl alcohol, butyl and acetone prior to 1959. 2/ Molasses utilized in feeds is a residual item, calculated by subtracting molasses used industrially from total mainland supplies without considering changes in stocks. 3/ Pharmaceutical utilization not considered prior to 1960. 4/ Estimated.

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Consumer and Marketing Service  
Grain Division  
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